

FE

X: 50.0000 MSec., 387 PmLocs, Ranges: DAC [06. 5012], Volts [0.0131, 0.7648], Amps [0.6561, 38.2397]

101

FE

Y: 50.0000 MSec., 369 PmLocs, Ranges: DAC [-4774, 80], Volts [-0.7205, 0.0122], Amps [-36.4238, 0.6104]

102

FE

Z: 50.0000 MSec., 401 PmLocs, Ranges: DAC [-5542, 6585], Volts [-0.8457, 1.0048], Amps [-42.2834, 50.2411]

103

SS

Sh1: 50.0000 MSec., 200 PmLocs, Ranges: DAC [-380, 1842], Volts [-0.9282, 4.4993], Amps [0.0000, 0.0000]

104

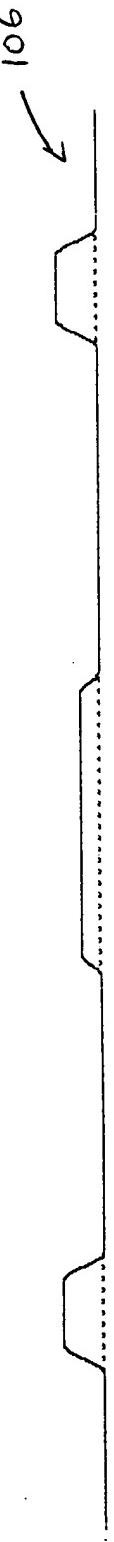
25

90

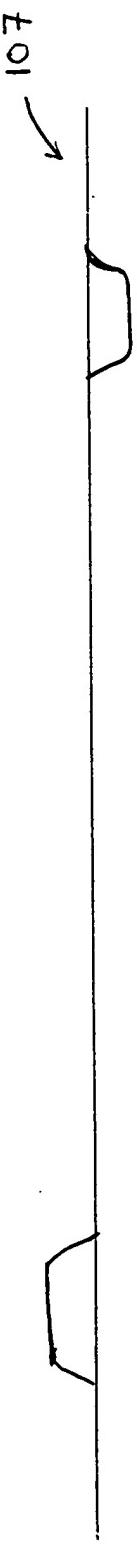
SC

FIG 1a. STANDARD SPIN ECHO SEQUENCE (PRIOR ART)

56.0000 MSec., 424 PimLocs, Ranges: DAC [06, 11824], Volts [0.0131, 1.8043], Amps [0.6561, 90.2127]



X: 56.0000 MSec., 1 PimLocs, Ranges: DAC [80, 80], Volts [0.0122, 0.0122], Amps [0.6104, 0.6104]



Z: 56.0000 MSec., 869 PimLocs, Ranges: DAC [-11192, 7855], Volts [-1.7078, 1.1986], Amps [-85.3908, 59.9307]



Sh1: 56.0000 MSec., 1165 PimLocs, Ranges: DAC [-380, 1842], Volts [-0.9282, 4.4993], Amps [0.0000, 0.0000]

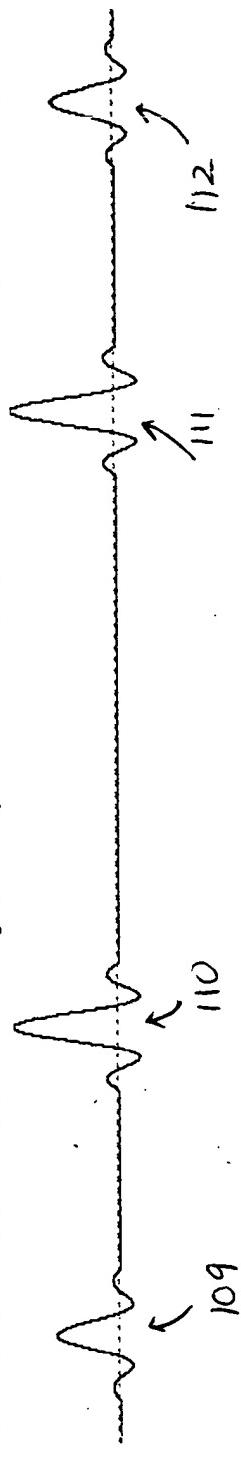
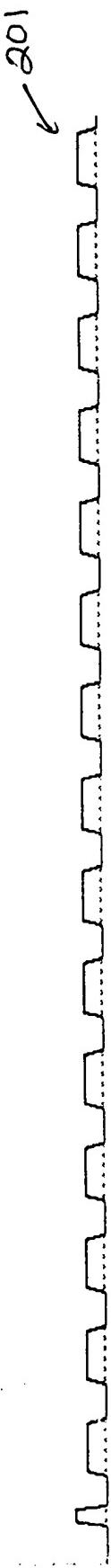


Fig 1b. STANDARD SPIN ECHO DRIVEN EQUILIBRIUM. (PRIOR ART)

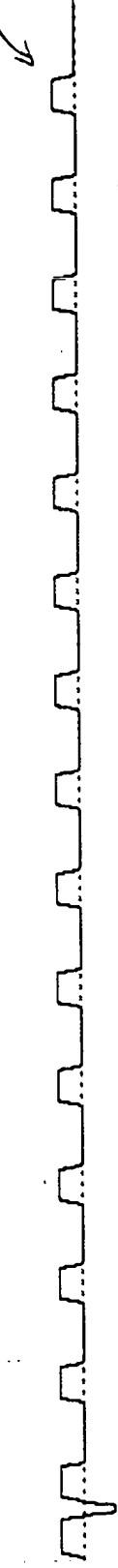
315.0000 MSec., 3123 PimLocs, Ranges: DAC [86, 9293], Volts [0.0131, 1.4180], Amps [0.6561, 70.9021]



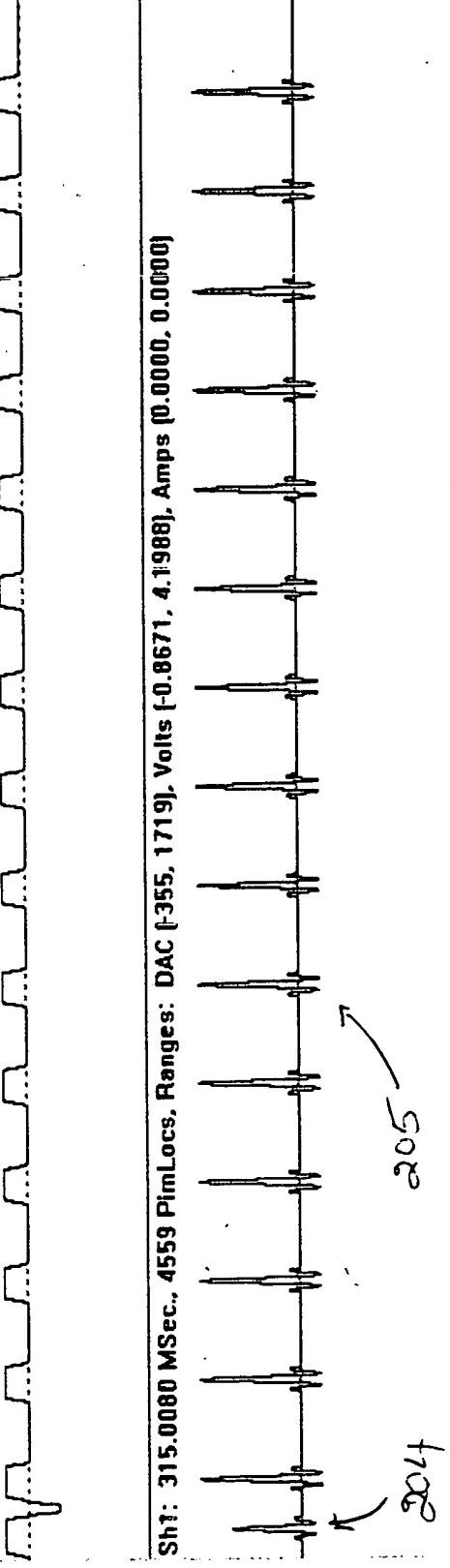
X: 315.0000 MSec., 3123 PimLocs, Ranges: DAC [-6658, 6818], Volts [-1.0160, 1.0404], Amps [-50.7981, 52.0188]



Y: 315.0000 MSec., 2471 PimLocs, Ranges: DAC [-8589, 6585], Volts [-1.3106, 1.0048], Amps [-65.5309, 50.2411]



Z: 315.0000 MSec., 2471 PimLocs, Ranges: DAC [-8589, 6585], Volts [-1.3106, 1.0048], Amps [-65.5309, 50.2411]



Sh1: 315.0000 MSec., 4559 PimLocs, Ranges: DAC [1355, 1719], Volts [0.8671, 4.1988], Amps [0.0000, 0.0000]

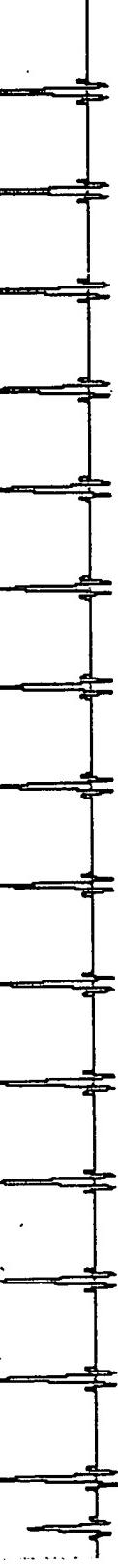
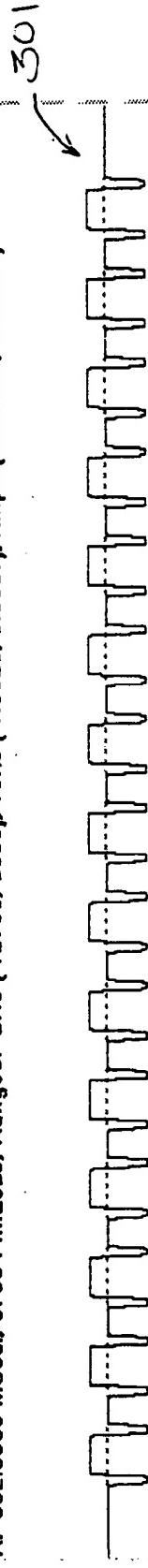


FIG 2 FAST SPIN ECHO SEQUENCE

2102710-1115E500T

X: 392.0000 MSec., 3750 PImLocs, Ranges: DAC [-1.2796, 5.955], Volts [-1.9526, 0.9087], Amps [97.6287, 45.4344]



Y: 392.0000 MSec., 5590 PImLocs, Ranges: DAC [5542, 5702], Volts [-0.8457, 0.8701], Amps [-42.2834, 41.5041]



Z: 392.0000 MSec., 3473 PImLocs, Ranges: DAC [11192, 7655], Volts [-1.7078, 1.1986], Amps [-85.3908, 59.9307]



Sh: 392.0000 MSec., 5253 PImLocs, Ranges: DAC [-380, 1842], Volts [-0.9282, 4.4993], Amps [0.0000, 0.0000]

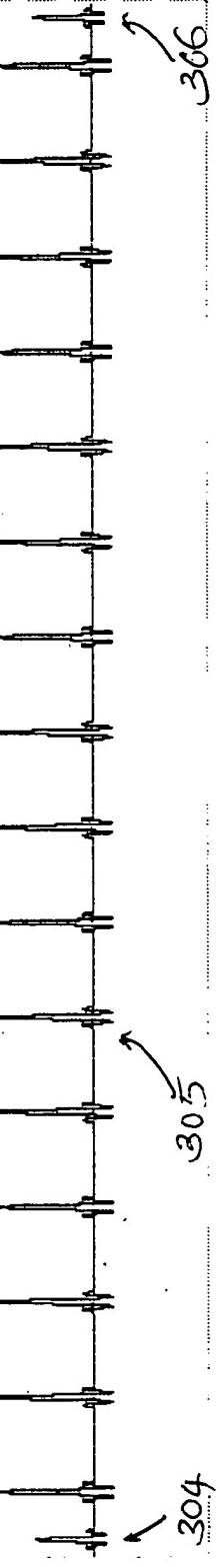


FIG. 3. FAST SPIN ECHO COMBINED WITH DROWN EQUILIBRIUM.